

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/10/17 2/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone #: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
1	State Monitoring Strategy The State will annually review and maintain a comprehensive monitoring strategy containing all of the information as outlined in <i>Elements of a State Water Monitoring and Assessment Program</i> (EPA 841-B-03-003). Strategy revisions such as refined objectives, designs, evaluation processes, general support and infrastructure needs, and other elements will be provided to EPA for review.	Program Priority & <i>Elements of a State Water Monitoring and Assessment Program</i> (EPA 841-B-03-003) WQ-5	Output: Revised Monitoring Strategy document.	12/31/12 9/30/12		

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner
Thomas Frick

Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORE/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/10/11/2/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris, Allison@epa.gov
E-mail Address: Shadle, Jennifer@epa.gov
E-mail Address: Darryl Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

Goal 2 - Clean and Safe Water

Goal 5 - Compliance and Environmental Stewardship

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
2	Monitoring Workplan: The State shall submit its projected annual monitoring and assessment workplan for FY12, consistent with the comprehensive monitoring strategy, including § 106, 104, 604 and other monitoring activities. This plan should contain the number of sites to be sampled for each of the following water quality data: ambient water chemistry, biology, habitat, fish tissue, toxicity and sediment chemistry.	Program Priority WQ-5	Output: FY2012 monitoring Workplan document	Before 04/01/12		

Formatted: No underline
Formatted: Underline

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE of FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORE/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/4/04/11/7/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

Formatted: No underline
Formatted: Underline

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
3	Strategy Implementation: In addition to statutory and regulatory requirements included in tasks below, the State commits to implementing one or more specific monitoring program improvements, identified in its approved monitoring strategy, and indicated in other appropriate tasks below, subject to availability of resources/funding.	Program Priority & Elements of a State Water Monitoring and Assessment Program (EPA 841-B-03-003) WQ-5	Output: Report on completion of Monitoring Tasks	12/31/12		

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Danyll Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/10/11/7/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Danyll.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
4	Designs: Probability Networks, etc. The State commits to continue and enhance its network designs, such as probabilistic monitoring networks for making statistically valid inferences about the condition of all state water types, over time, subject to availability of resources/funding.	<i>Program Priority & Elements of a State Water Monitoring and Assessment Program (EPA 841-B-03-003)</i> WQ-5	Output: Report on description and findings of Enhanced Network Designs.	12/31/12		

Formatted: No underline
Formatted: Underline

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner
Thomas Frick

Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/10/11/7/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

Formatted: No underline
Formatted: Underline

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
5	Indicators: The State commits to continue the use and development of monitoring indicator capabilities [for example: additional resource types, parameters, a 2 nd biological assemblage for streams, etc.] over time, subject to availability of resources/funding.	Program Priority & Elements of a State Water Monitoring and Assessment Program (EPA 841-B-03-003) WQ-5	Output: Report on description and use of Enhanced Indicator Capabilities (e.g. phytoplankton)	12/31/12		

FY12 SECTION 106 WORKPLAN REGION 4 STATE OF FLORIDA

Draft or Final (Underline one)

Date of latest workplan revision: 5/4/04/7/29/2011

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darrell Joyner
Thomas Frick

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darrell.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us

Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORE/data)

Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
6	BMP & Restoration Effectiveness: The State will monitor at least three watersheds (in EPA priority watersheds when possible) where water restoration projects (e.g., FDEP's adopted Basin Management Action Plans, 319 BMPs, TMDLs, NPDES permit changes) have been planned and/or implemented to validate/verify WQ changes in those waterbody segments. Using data obtained before and after project implementation, State will assess the effectiveness of the water restoration strategies for attainment of water quality standards and designated uses. Some specific watersheds with adopted BMAs include where this activity has or will occur are: Upper Ocklawaha, Orange Creek, Long Branch, and Lower St. Johns River.	Program Priority\ 2.2.1 SP-10 SP-11 SP-12	Output: Submit monitoring data in WQX and assessment results in ADB compatible format for the water restoration projects where post project monitoring has been initiated or completed. Submit results in FDEP reports on BMAP progress, the HR report.	12/31/12 9/30/12		

Formatted: No underline
Formatted: Underline

Formatted Table

Formatted: Font: 10 pt

Formatted: Font: 10 pt

Formatted: Font: 10 pt

Formatted: Font: 10 pt

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/4/04/7/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
7	Third Party Data: To enhance limited monitoring resources, and reduce duplication of efforts, the State will scientifically review "all existing and readily-available" data (FDEP & third party), for compelling evidence of water quality impairment or improvement and will use these data as indicators of water quality as appropriate. Where warranted, the State will monitor to supplement the available data to meet data requirements and thresholds for determining the waterbody's use support status and to confirm the actual water quality condition. The State will encourage other agencies and organizations to target monitoring to define baseline conditions or watershed improvement/restoration, where such monitoring is judged appropriate by State.	Program Priority 2.2.1	Output: Report use of third party data as indicator of change and as supplemental data in determination of waterbody water quality.	12/31/12 4/1/12		

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/10/11/2/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: humphris.allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
8	Quality Assurance - Quality Management Plan (QMP) The State commits to maintaining an up-to-date and approved Quality Management Plan (QMP) The State shall review its QMP at least annually to reconfirm its suitability and effectiveness. When significant changes occur, as defined in EPA QA/R-2, the State shall revise and resubmit the QMP to EPA for review and approval.	In accordance with EPA Order 5360.1 A2 and EPA <i>Requirements for Quality Management Plans</i> (EPA QA/R-2), 2.2.1	Output: Reconfirm suitability of existing QMP, approved July 1, 2009, or revise as needed.	12/31/12 9/30/12		

Formatted: No underline
Formatted: Underline

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE of FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/10/17/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone #: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
9	Quality Assurance - Laboratory & Other Audits: The State agrees to participate in any requested reviews or audits of its monitoring and analysis program by Region 4, including, but not limited to, the following: an annual review of the QAPP(s) for the ambient surface water quality monitoring program, and a data validation audit to ensure monitoring data is of known and documented quality.	Program Priority & Elements of a State Water Monitoring and Assessment Program (EPA 841-B-03-003) 2.2.1	Output: Reports status of recommendations and implementation of corrective actions, associated with SESD audits and Region 4 review of QAPPs.	By 12/31/12, if requested		

FY12 SECTION 106 WORKPLAN

REGION 4 STATE of FLORIDA

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORE/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/10/11 7/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

Goal 2 - Clean and Safe Water

Goal 5 - Compliance and Environmental Stewardship

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
10	Quality Assurance- Quality Assurance Project Plans (QAPPs) and Standard Operating Procedures (SOPs): The State commits to develop and maintain peer reviewed Quality Assurance Project Plans (QAPPs) and Standard Operating Procedures (SOPs) consistent with the Data Quality Objective (DQO) process for ambient monitoring and specific projects to ensure the scientific validity of monitoring and laboratory activities. The State shall review its QAPPs and SOPs annually to ensure consistency with the comprehensive monitoring program strategy. Revisions to QAPPs and SOPs shall also be made to reflect program changes such as staff, sampling or analytical techniques, data quality objectives, data validation procedures or data.	Pursuant to 40 CFR 130.4(b) and EPA Order 5360.1 A2, See also: EPA QA/R-5, (EPA/240/B-01/002) (March 2001)	Output: QAPPs and SOP revisions which reflect current FDEP program methods and objectives, and are consistent with EPA requirements to EPA-Region 4 for review and approval.	Prior to, or in conjunction with, the initiation of monitoring efforts not covered by an EPA-approved QAPP (e.g. efforts based on new or revised program requirements)		

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE of FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/10/17/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
11	Data Management, Water Quality Exchange (WOX)/STORE and Retrieval (STORET) Systems: The State is required to submit geo-referenced water quality data, such as: ambient water chemistry, biology, habitat, fish tissue, toxicity and sediment chemistry data. This submission must include the sampling results for FY11 through (date negotiated with FDEP) consistent with the State's monitoring workplan. Annual electronic updates will be submitted using WOX/STORET utilizing EPA's established electronic data schema and data elements for submission. The State agrees to geo-reference their monitoring data to include station locations. EPA may determine that an alternate data submission satisfies the statutory annual requirement, which the State and EPA will identify and discuss before Section 106 funds are awarded.	Program Priority & Elements of a State Water Monitoring and Assessment Program (EPA 841-B-03-003) WO-5	Output: WOX transmission to STORET data warehouse of all State ambient water chemistry, biology, habitat, fish tissue, toxicity and sediment chemistry monitoring data, which reflect current cycle monitoring activities, which may include: Accepted, Validated, Preliminary, and Final monitoring results. (Note: Only monitoring results marked as "Final" in State WOX transmittal are made available to the public in STORET)	12/31/2012 9/30/12		

Formatted: No underline
Formatted: Underline

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

Draft or Final (Underline one)

Date of latest workplan revision: 5/4/4/17/29/2011

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner
Thomas Frick

Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone #: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
12	Data Management: Assessment Database (ADB) The State will record assessment decisions for Assessment Unit's (AU) using the most current version of ADB or an ADB-equivalent database. ADB equivalent databases must conform to EPA required data elements and schema. The State will provide a 305(b) ADB file containing waterbody segmentation and re-segmentation changes for current and previous cycles. Florida will utilize the 1:24K scale to geo-reference all AU locations, to meet the state's needs.	2006 IR Guidance and Updates WQ-7	Assessment Database (ADB) or an equivalent database using required EPA data elements and ADB schema. Geo-referenced data files depicting the location of every AU in the ADB or equivalent database will be submitted in the form of point, line and/or polygon Geographic Information System (GIS) layers or NHD reach indexing tables.	04/01/2012	EPA understands that DEP currently uses WBIDs as the AU for purposes of IR assessment, but is developing a 1:24K NHD state coverage. EPA requests that DEP provide GIS layers and/or tables in both WBID and NHD formats.	

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/4/04/7/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

Formatted: No underline
Formatted: Underline

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
13	Data Analysis and Assessment Methods: The State will document updates and refine its comprehensive, scientifically valid assessment methods for data and/or waterbody type, including use of State and third party data, considering trends, and incorporating the full range of available data.	Program Priority & Elements of a State Water Monitoring and Assessment Program (EPA 841-B-03-003) WQ-5	Output: The State's current Listing and Assessment Methodology.	12/31/12 4/1/12		

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/14/11 7/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
14	Reporting - § 305(b) or Electronic Update and Assessment Data Base (ADB): In even calendar years, the State shall submit its biennial 305(b) report and Section 303(d) List pursuant to CWA § 305(b) as part of the Integrated 305(b)/303(d) Report. Each year, the State shall submit its annual electronic update of key monitoring information along with ADB-compatible assessment data, including any 303(d) List updates, for all the waters assessed during the previous year. The geo-referenced data files will include the minimum data elements in accordance with the Appendices A & B of the 2006 Integrated Report Guidance.	CWA § 303(d) and 305(b), IR Guidance, 40 CFR 130.8(d)	Output: 2012 305(b)/303(d) Integrated Report, and electronic update.	04/01/12		
		SP-10 SP-11 SP-12 SP-13 WQ-7				

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/10/11 7/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
15	State's Evaluation: The State will evaluate its monitoring and assessment program through processes/activities such as staff input, peer review, etc. and document how well the state's monitoring designs and systems meet its objectives and decision needs.	Program Priority & Elements of a State Water Monitoring and Assessment Program (EPA 841-B-03-003) WQ-5	Output: State self-assessment of monitoring & assessment program	12/31/12		

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Daryl Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORE/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/10/11/2/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Daryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

Formatted: No underline
Formatted: Underline

MONITORING PROGRAM

Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
16	Joint Evaluation/ Progress Report: The State will assist EPA to conduct Annual Evaluations of progress in implementing workplan commitments by providing status reports for each task. The reports should be included in the column of this workplan labeled State Comments.	Program Priority Regulatory Requirement 40 CFR 31.40 (b) 40 CFR 35.115 (a)	Output: 106 Annual Progress Report	12/31/12		
		2.2.1				

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Daryll Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/10/11 7/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Daryll.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
1	State Monitoring Strategy The State will annually review and maintain a comprehensive monitoring strategy containing all of the information as outlined in <i>Elements of a State Water Monitoring and Assessment Program</i> (EPA 841-B-03-003). Strategy revisions such as refined objectives, designs, evaluation processes, general support and infrastructure needs, and other elements will be provided to EPA for review.	Program Priority & Elements of a State Water Monitoring and Assessment Program (EPA 841-B-03-003) WQ-5	Output: Revised Monitoring Strategy document.	12/31/12 9/30/12		

Formatted: No underline
Formatted: Underline

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

Draft or Final (Underline one)

Date of latest workplan revision: 5/10/17/2/2011

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431

Thomas Frick
Phone #: 850-245-7518

Gail Sloane (Monitoring)
Phone #: 850-245-8512

Julie Espy (IR/Assessment)
Phone #: 850-245-8416

Russ Frydenborg (QA)
Phone #: 850-245-8063

Denise Miller (STORE/data)
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
2	Monitoring Workplan: The State shall submit its projected annual monitoring and assessment workplan for FY12, consistent with the comprehensive monitoring strategy, including §106, 104, 604 and other monitoring activities. This plan should contain the number of sites to be sampled for each of the following water quality data: ambient water chemistry, biology, habitat, fish tissue, toxicity and sediment chemistry.	Program Priority WQ-5	Output: FY2012 monitoring Workplan document	Before 04/01/12		

Formatted: No underline
Formatted: Underline

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/10/17/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
3	Strategy Implementation: In addition to statutory and regulatory requirements included in tasks below, the State commits to implementing one or more specific monitoring program improvements, identified in its approved monitoring strategy, and indicated in other appropriate tasks below, subject to availability of resources/funding.	Program Priority & Elements of a State Water Monitoring and Assessment Program (EPA 841-B-03-003) WQ-5	Output: Report on completion of Monitoring Tasks	12/31/12		

Formatted: No underline
Formatted: Underline

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/10/11 7/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

Formatted: No underline
Formatted: Underline

MONITORING PROGRAM

Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
4	Designs: Probability Networks, etc. The State commits to continue and enhance its network designs, such as probabilistic monitoring networks for making statistically valid inferences about the condition of all state water types, over time, subject to availability of resources/funding.	<i>Program Priority & Elements of a State Water Monitoring and Assessment Program (EPA 841-B-03-003)</i> WQ-5	Output: Report on description and findings of Enhanced Network Designs.	12/31/12		

Formatted: No underline
Formatted: Underline

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner
Thomas Frick

Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/4/04 17/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone #: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
5	Indicators: The State commits to continue the use and development of monitoring indicator capabilities [for example: additional resource types, parameters, a 2 nd biological assemblage for streams, etc.] over time, subject to availability of resources/funding.	Program Priority & Elements of a State Water Monitoring and Assessment Program (EPA 841-B-03-003) WQ-5	Output: Report on description and use of Enhanced Indicator Capabilities (e.g. phytoplankton)	12/31/12		

FY12 SECTION 106 WORKPLAN REGION 4 STATE OF FLORIDA

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Danyll Joyner
Thomas Frick

Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORE/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/10/11 7/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Danyll.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
6	BMP & Restoration Effectiveness: The State will monitor at least three watersheds (in EPA priority watersheds when possible) where water restoration projects (e.g., FDEP-adopted Basin Management Action Plans, 319 BMPs, TMDLs, NPDES permit changes) have been planned and/or implemented to validate/verify WQ changes in those waterbody segments. Using data obtained before and after project implementation, State will assess the effectiveness of the water restoration strategies for attainment of water quality standards and designated uses. Some specific watersheds with adopted BMAPs include: where this activity has or will occur are: Upper Ocklawaha, Orange Creek, Long Branch, and Lower St. Johns River.	Program Priority\ 2.2.1 SP-10 SP-11 SP-12	Output: Submit monitoring data in WQX and assessment results in ADB compatible format for the water restoration projects where post project monitoring has been initiated or completed. Submit results in FDEP reports on BMAP progress, the IR report.	12/31/12 9/30/12		

Formatted: No underline
Formatted: Underline

Formatted Table

Formatted: Font: 10 pt

Formatted: Font: 10 pt

Formatted: Font: 10 pt

Formatted: Font: 10 pt

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Daryl Joyner
Thomas Frick

Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/10/11 7/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8312
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Daryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
7	Third Party Data: To enhance limited monitoring resources, and reduce duplication of efforts, the State will scientifically review "all existing and readily-available" data (FDEP & third party), for compelling evidence of water quality impairment or improvement and will use these data as indicators of water quality as appropriate. Where warranted, the State will monitor to supplement the available data to meet data requirements and thresholds for determining the waterbody's use support status and to confirm the actual water quality condition. The State will encourage other agencies and organizations to target monitoring to define baseline conditions or watershed improvement/restoration, where such monitoring is judged appropriate by State.	Program Priority 2.2.1	Output: Report use of third party data as indicator of change and as supplemental data in determination of waterbody water quality.	12/31/12 4/1/12		

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Danyll Joyner
Thomas Frick

Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORE/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/14/11 7/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Danyll.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

**Formatted: No underline
Formatted: Underline**

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
8	Quality Assurance - Quality Management Plan (QMP) The State commits to maintaining an up-to-date and approved Quality Management Plan (QMP) The State shall review its QMP at least annually to reconfirm its suitability and effectiveness. When significant changes occur, as defined in EPA QA/R-2, the State shall revise and resubmit the QMP to EPA for review and approval.	In accordance with EPA Order 5360.1 A2 and EPA <i>Requirements for Quality Management Plans</i> (EPA QA/R-2), 2.2.1	Output: Reconfirm suitability of existing QMP, approved July 1, 2009, or revise as needed.	12/31/12 9/30/12		

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/4/04/7/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

Formatted: No underline
Formatted: Underline

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
9	Quality Assurance - Laboratory & Other Audits: The State agrees to participate in any requested reviews or audits of its monitoring and analysis program by Region 4, including, but not limited to, the following: an annual review of the QAPP(s) for the ambient surface water quality monitoring program, and a data validation audit to ensure monitoring data is of known and documented quality.	Program Priority & Elements of a State Water Monitoring and Assessment Program (EPA 841-B-03-003) 2.2.1	Output: Reports status of recommendations and implementation of corrective actions, associated with SEDD audits and Region 4 review of QAPPs.	By 12/31/12, if requested		

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Draft or Final (Underline one)

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone #: 850-245-8516

Date of latest workplan revision: 5/14/11 7/29/2011

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

**Formatted: No underline
Formatted: Underline**

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
10	Quality Assurance- Quality Assurance Project Plans (QAPPs) and Standard Operating Procedures (SOPs): The State commits to develop and maintain peer reviewed Quality Assurance Project Plans (QAPPs) and Standard Operating Procedures (SOPs) consistent with the Data Quality Objective (DQO) process for ambient monitoring and specific projects to ensure the scientific validity of monitoring and laboratory activities. The State shall review its QAPPs and SOPs annually to ensure consistency with the comprehensive monitoring program strategy. Revisions to QAPPs and SOPs shall also be made to reflect program changes such as staff, sampling or analytical techniques, data quality objectives, data validation procedures or data.	Pursuant to 40 CFR 130.4(b) and EPA Order 5360.1 A2, See also: EPA QAR-5, (EPA/240/B-01/002) (March 2001)	Output: QAPPs and QAPP revisions which reflect current FDEP program methods and objectives, and are consistent with EPA requirements, to EPA-Region 4 for review and approval.	Prior to, or in conjunction with, the initiation of monitoring efforts not covered by an EPA- approved QAPP (e.g. efforts based on new or revised program requirements)		
		2.2.1				

Formatted: No underline
Formatted: Underline

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE of FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/14/11 7/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
11	Data Management, Water Quality Exchange (WOX)/STORE and Retrieval (STORET) Systems: The State is required to submit geo-referenced water quality data, such as: ambient water chemistry, biology, habitat, fish tissue, toxicity and sediment chemistry data. This submission must include the sampling results for EY11 through E12e negotiated with E12e/P1 consistent with the State's monitoring workplan. Annual electronic updates will be submitted using WOX/STORET utilizing EPA's established electronic data schema and data elements for submission. The State agrees to geo-reference their monitoring data to include station locations. EPA may determine that an alternate data submission satisfies the statutory annual requirement, which the State and EPA will identify and discuss before Section 106 funds are awarded.	Program Priority & Elements of a State Water Monitoring and Assessment Program (EPA 841-B-03-003) WOX-5	Output: WOX transmission to STORET data warehouse of all State ambient water chemistry, biology, habitat, fish tissue, toxicity and sediment chemistry monitoring data, which reflect current cycle monitoring activities, which may include: Accepted, Validated, Preliminary, and Final monitoring results. (Note: Only monitoring results marked as "Final" in State WOX transmittal are made available to the public in STORET)	12/31/2012 9/30/12		

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

Draft or Final (Underline one)

Date of latest workplan revision: 5/14/11 7/29/2011

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner
Thomas Frick

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518

Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone #: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
12	Data Management: Assessment Database (ADB) The State will record assessment decisions for Assessment Unit's (AU) using the most current version of ADB or an ADB-equivalent database. ADB equivalent databases must conform to EPA required data elements and schema. The State will provide a 305(b) ADB file containing waterbody segmentation and re-segmentation changes for current and previous cycles. Florida will utilize the 1:24K scale to geo-reference all AU locations, to meet the state's needs.	2006 IR Guidance and Updates WQ-7	Assessment Database (ADB) or an equivalent database using required EPA data elements and ADB schema. Geo-referenced data files depicting the location of every AU in the ADB or equivalent database will be submitted in the form of point, line and/or polygon Geographic Information System (GIS) layers or NHD reach indexing tables.	04/01/2012	EPA understands that DEP currently uses WBIDs as the AU for purposes of IR assessment, but is developing a 1:24K NHD state coverage. EPA requests that DEP provide GIS layers and/or tables in both WBID and NHD formats.	

Formatted: No underline
Formatted: Underline

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE of FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORE/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/10/11 7/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone #: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
13	Data Analysis and Assessment Methods: The State will document updates and refine its comprehensive, scientifically valid assessment methods for data and/or waterbody type, including use of State and third party data, considering trends, and incorporating the full range of available data.	Program Priority & Elements of a State Water Monitoring and Assessment Program (EPA 841-B-03-003) WQ-5	Output: The State's current Listing and Assessment Methodology.	12/31/12 4/1/12		

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE OF FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORE/data)

Draft or Final (Underline one)

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone #: 850-245-8516

Date of latest workplan revision: 5/10/11/7/29/2011

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

**Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship**

Task #	106 Workplan Task Description Reporting - § 305(b) or Electronic Update and Assessment Data Base (ADB):	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
14	In even calendar years, the State shall submit its biennial 305(b) report and Section 303(d) List pursuant to CWA § 305(b) as part of the Integrated 305(b)/303(d) Report. Each year, the State shall submit its annual electronic update of key monitoring information along with ADB-compatible assessment data, including any 303(d) List updates, for all the waters assessed during the previous year. The geo-referenced data files will include the minimum data elements in accordance with the Appendices A & B of the 2006 Integrated Report Guidance.	CWA § 303(d) and 305(b), IR Guidance, 40 CFR 130.8(d)	Output: 2012 305(b)/303(d) Integrated Report, and electronic update.	04/01/12		

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE of FLORIDA**

EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner

Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORET/data)

Draft or Final (Underline one)

Date of latest workplan revision: 5/4/04/7/29/2011

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

Goal 2 - Clean and Safe Water

Goal 5 - Compliance and Environmental Stewardship

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
15	State's Evaluation: The State will evaluate its monitoring and assessment program through processes/activities such as staff input, peer review, etc. and document how well the state's monitoring designs and systems meet its objectives and decision needs.	Program Priority & Elements of a State Water Monitoring and Assessment Program (EPA 841-B-03-003) WQ-5	Output: State self-assessment of monitoring & assessment program	12/31/12		

Draft or Final (Underline one) **Date of latest workplan revision: 5/14/17/29/2011**

**FY12 SECTION 106 WORKPLAN
REGION 4 STATE of FLORIDA**
EPA Technical Point of Contact: Allison Humphris
EPA Project Officer: Jennifer Shadle
State Point of Contact: Darryl Joyner
Thomas Frick
Gail Sloane (Monitoring)
Julie Espy (IR/Assessment)
Russ Frydenborg (QA)
Denise Miller (STORE/data)

Phone #: 404-562-9305
Phone #: 404-562-9436
Phone #: 850-245-8431
Phone #: 850-245-7518
Phone #: 850-245-8512
Phone #: 850-245-8416
Phone #: 850-245-8063
Phone#: 850-245-8516

E-mail Address: Humphris.Allison@epa.gov
E-mail Address: Shadle.Jennifer@epa.gov
E-mail Address: Darryl.Joyner@dep.state.fl.us
E-mail Address: Thomas.Frick@dep.state.fl.us
E-mail Address: Gail.Sloane@dep.state.fl.us
E-mail Address: Julie.Espy@dep.state.fl.us
E-mail Address: Russ.Frydenborg@dep.state.fl.us
E-mail Address: Denise.Miller@dep.state.fl.us

MONITORING PROGRAM

Goal 2 - Clean and Safe Water
Goal 5 - Compliance and Environmental Stewardship

Task #	106 Workplan Task Description	Basis for 106 Workplan Task	Commitments (Output/Outcome)	Date Due	EPA Comments	(End-of-Year State Report/State Comments Indicate whether task has been met by writing the date the task was completed. If the task is not completed, provide an explanation for any delays or issues encountered.)
16	Joint Evaluation/ Progress Report: The State will assist EPA to conduct Annual Evaluations of progress in implementing workplan commitments by providing status reports for each task. The reports should be included in the column of this workplan labeled State Comments.	Program Priority Regulatory Requirement 40 CFR 31.40 (b) 40 CFR 35.115 (a) 2.2.1	Output: 106 Annual Progress Report	12/31/12		